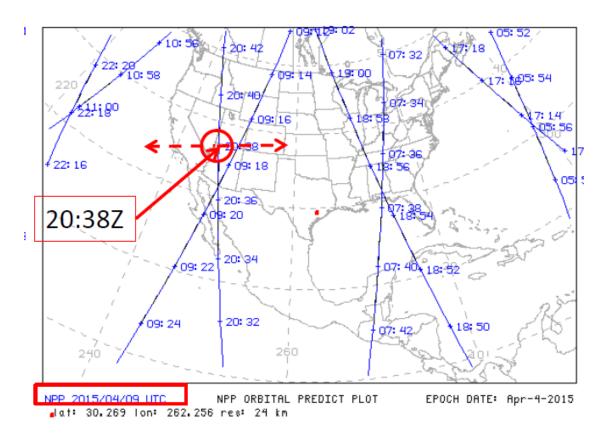
RAQMS 20150408 SONGNEX 54hr FX for 18Z April 09 (Transit to Broomfield), 2015

S-NPP (CrIS) overpass on 04/09 NUCAPS CO2, O3, CO, CH4 Validation Opportunity – <u>Eastern edge of swath</u>

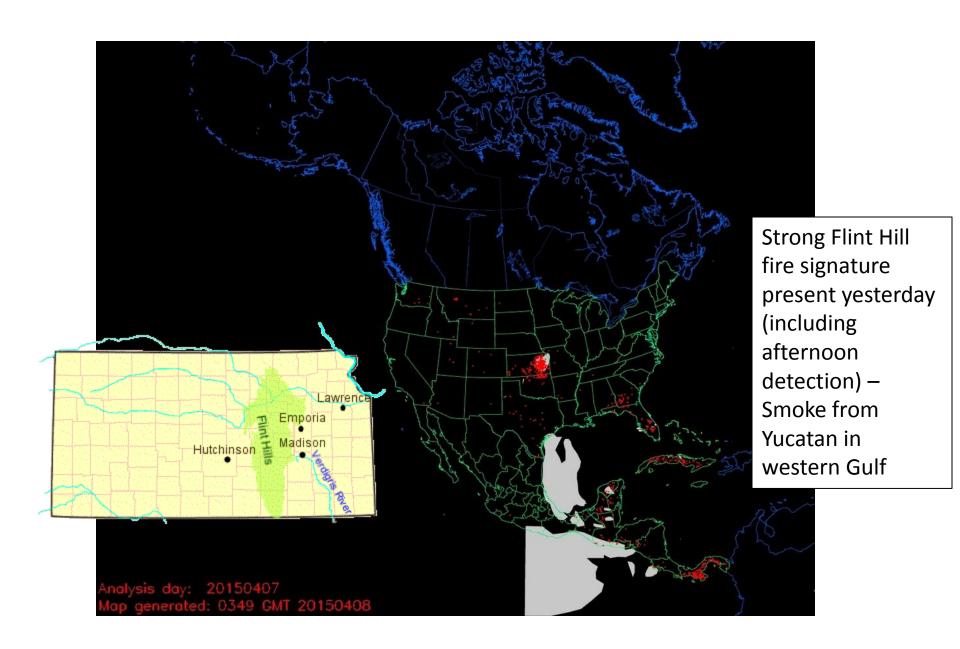
S-NPP overpass West of Broomfield at 20:38Z (2:38pm Mountain)



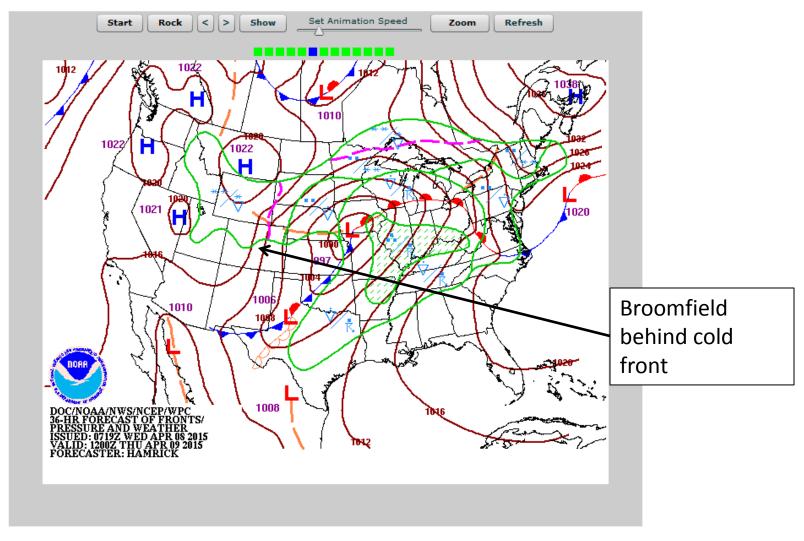
Approximate swath width

NESDIS Hazard Mapping System (HMS)

http://www.ospo.noaa.gov/data/land/fire/currenthms.jpg

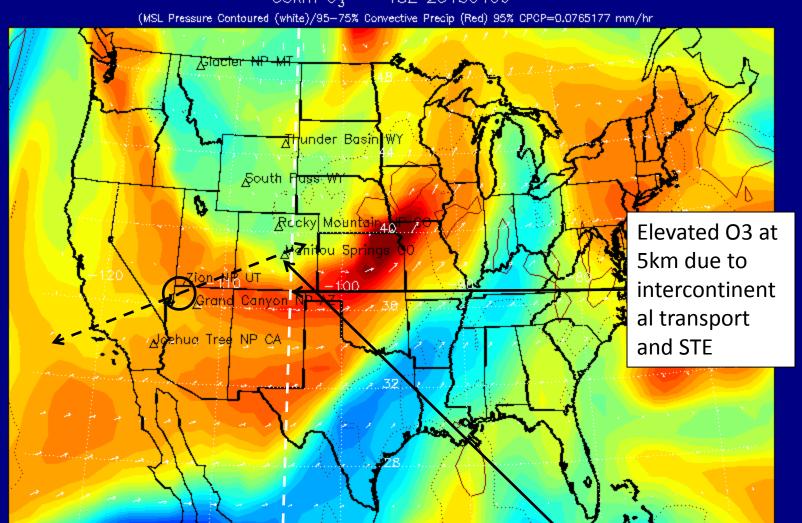


36hr NCEP/WPC forecast valid 12Z 04/09/2015



http://www.hpc.ncep.noaa.gov/basicwx/day0-7loop.html

05km 0₃ 18Z 20150409



RAQMS_g 54hr Fx Initialized 12Z 20150407

40

30

20

Broomfield on Eastern edge of S-NPP swath

70

80

60

50

(ppbv)

05km CO 18Z 20150409

(MSL Pressure Contoured (white)/95-75% Convective Precip (Red) 95% CPCP=0.0765177 mm/hr under Basin .Şouth 0 Elevated CO at onitou Springs 5km due to intercontinent al transport zhua Tree NP CA 60 100 120 140 180 80 160 200

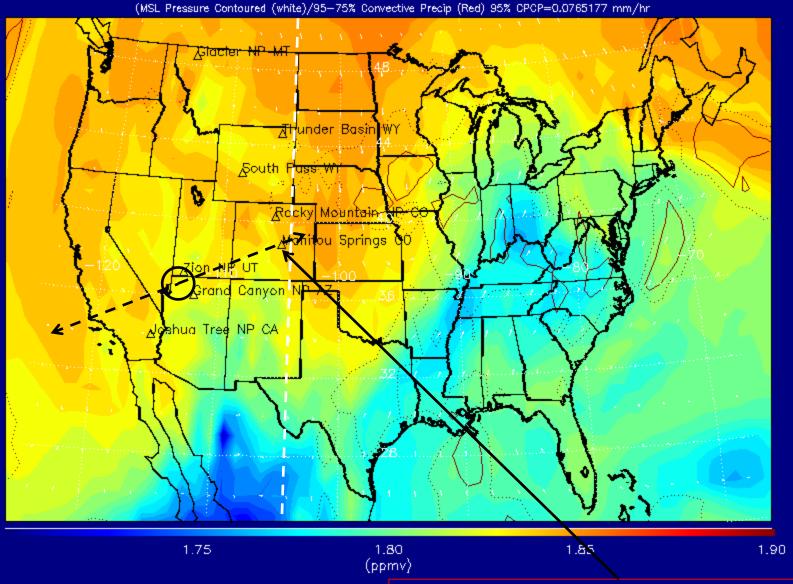
RAQMS_e 54hr Fx Initialized 12Z 20150407

Broomfield on Eastern edge of S-NPP swath

(ppbv)

01km AGL CH4

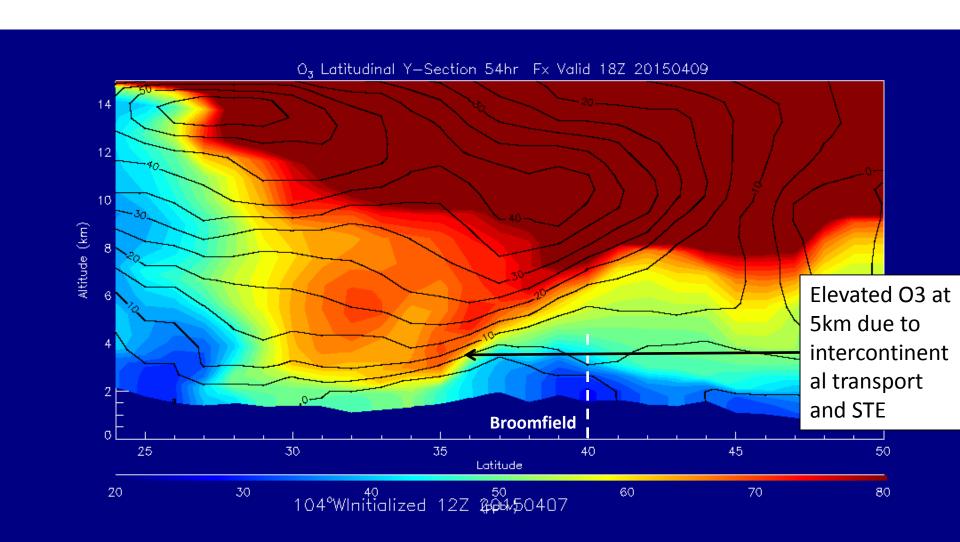
18Z 20150409



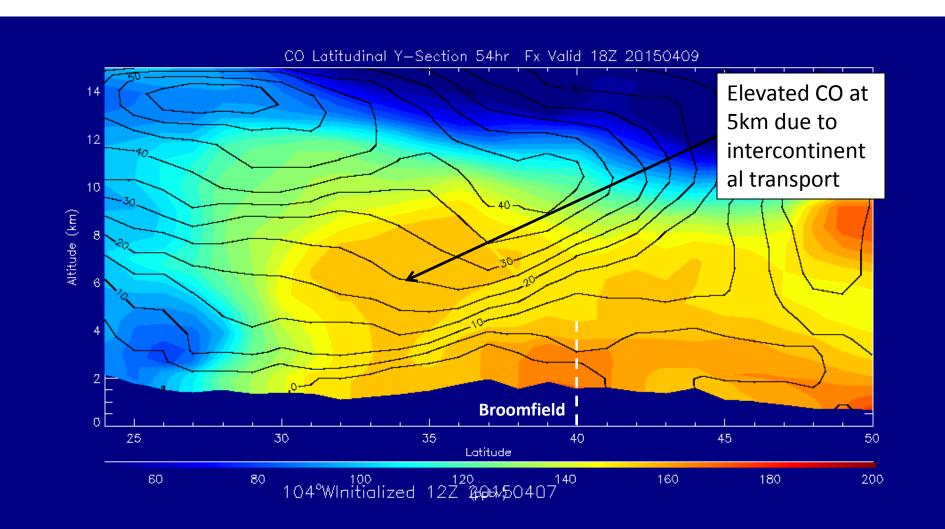
RAQMS_g 54hr Fx Initialized 12Z 20150407

Broomfield on Eastern edge of S-NPP swath

RAQMS 54hr FX O3 Cross-section at 104W (Broomfield Transit)



RAQMS 54hr FX CO Cross-section at 104W (Broomfield Transit)



RAQMS 54hr FX CH4 Cross-section at 104W (Broomfield Transit)

